Mathematical Modeling
Assignment 3

Due: Friday, December 21 or before. Include printouts of any Maple or Matlab code that you use.

Exercise 1 *In the gamblers' ruin problem start with a uniform distribution of fortunes and 10 as the maximum fortune. What is the probability distribution of going broke, as a function of p, the probability of winning. Any of an analytic, tabular or graphical solution will work.*

Exercise 2 *Again consider the gamblers ruin problem. Compute the expected number of plays as a function of p. Again, any of an analytic, tabular or graphical solution will work.*